

Fig. 1

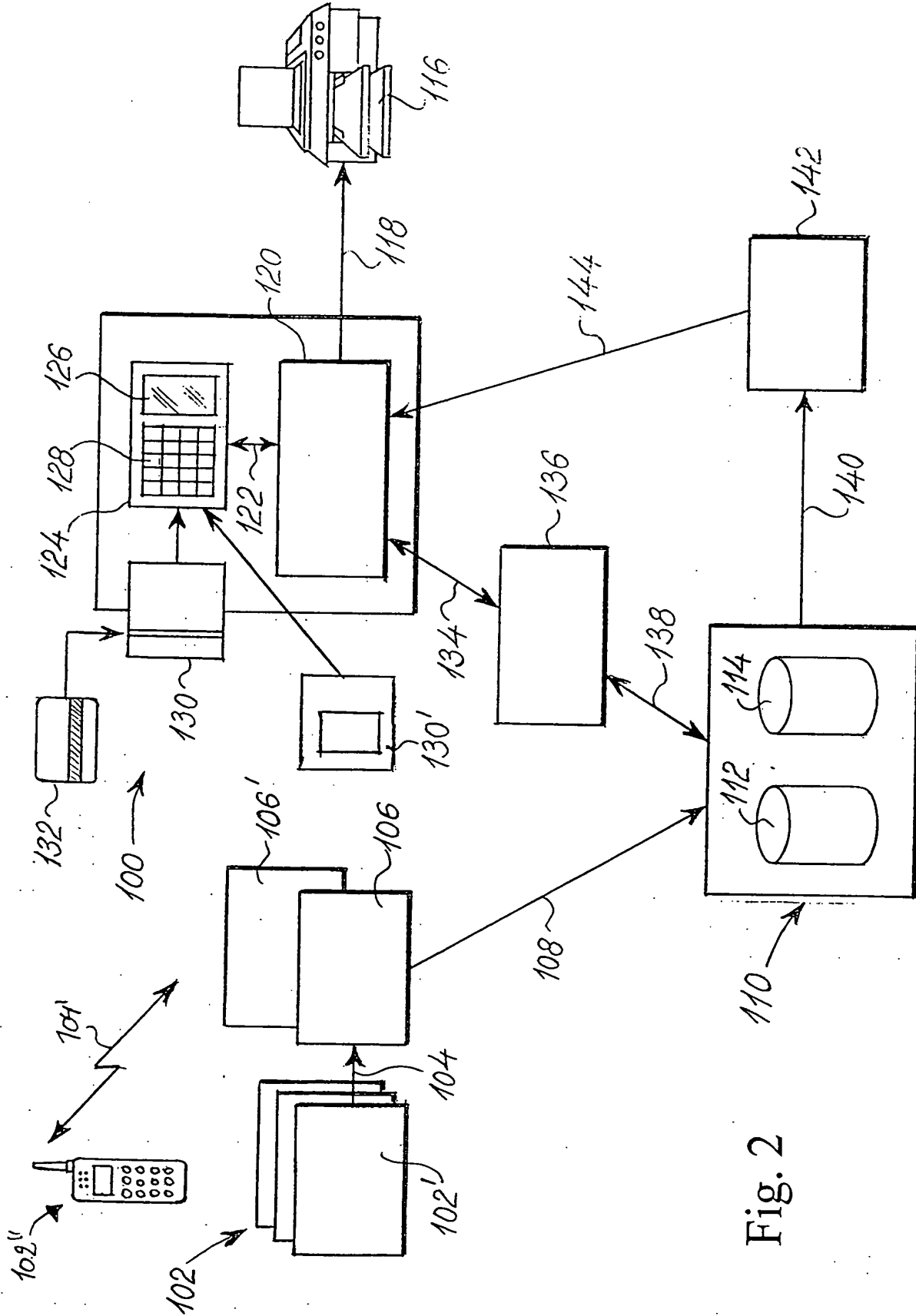


Fig. 2

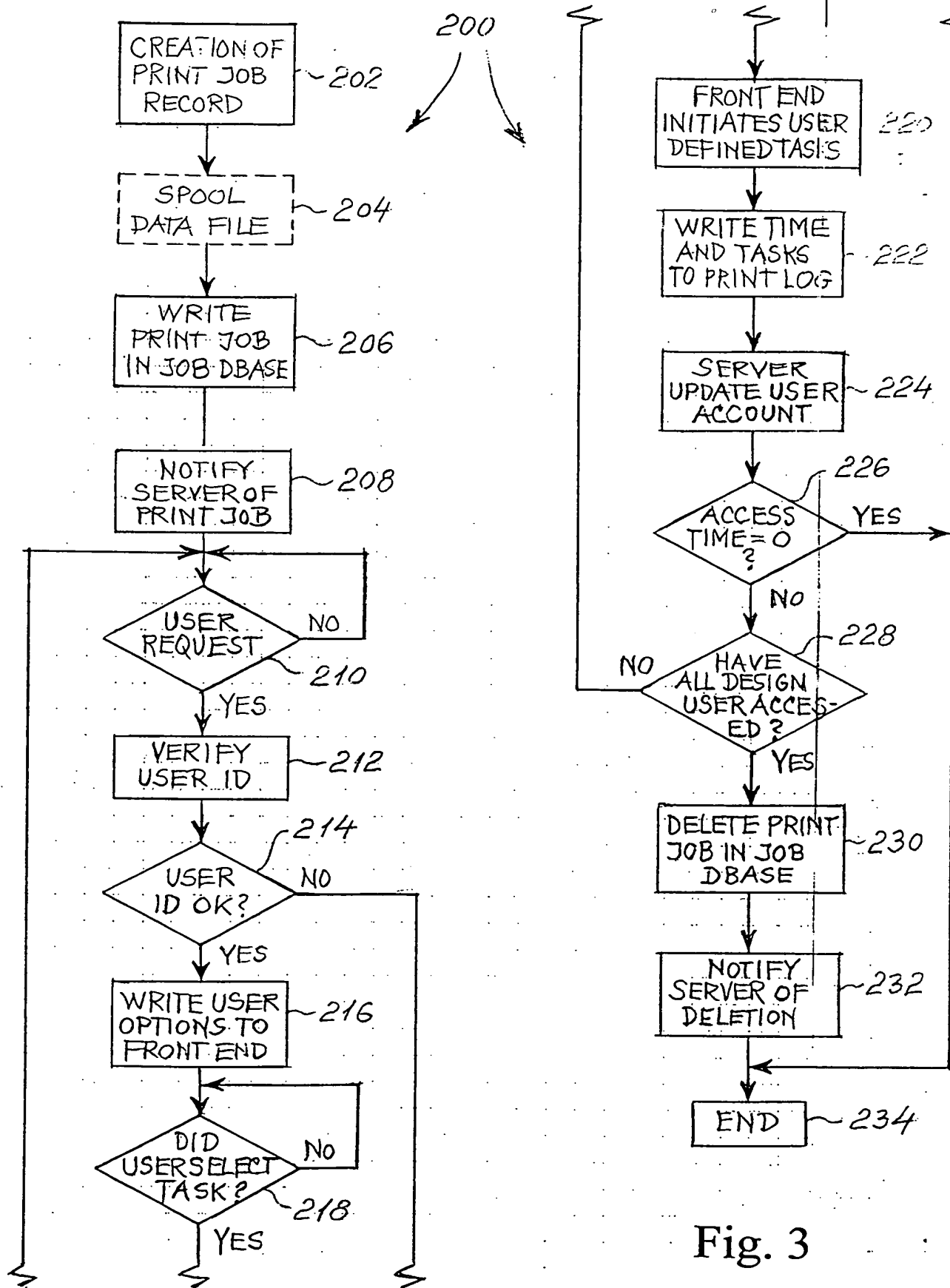


Figure 4

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sequenceDiagram
    participant AS as Accounting Server
    participant JD as Job Database
    participant SS as SafeCom Server
    participant CU as Control Unit
    participant PE as Print Engine

    Note over CU: User slides card and enter PIN
    CU->>SS: LoginByCardNo
    SS->>CU: LoginByCardNo
    SS->>JD: LoginByCardNo
    JD->>SS: LoginByCardNo
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: User selects to list jobs
    Note over CU: ( SetDeviceInfo should have been called at this point *)
    CU->>SS: GetJobInfoList
    SS->>CU: GetJobInfoList
    SS->>JD: GetJobInfoList
    JD->>SS: GetJobInfoList
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: User selects to print a job
    CU->>SS: StartAccounting
    SS->>CU: StartAccounting
    SS->>JD: StartAccounting
    JD->>SS: StartAccounting
    SS->>CU: Ok
    CU->>SS: Ok
    SS->>PE: GetPrintEngine
    PE->>SS: GetPrintEngine
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: LoginByCardNo
    CU->>SS: LoginByCardNo
    SS->>CU: LoginByCardNo
    SS->>JD: LoginByCardNo
    JD->>SS: LoginByCardNo
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: SetDeviceInfo
    CU->>SS: SetDeviceInfo
    SS->>CU: SetDeviceInfo
    SS->>JD: SetDeviceInfo
    JD->>SS: SetDeviceInfo
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: StartGetJob
    CU->>SS: StartGetJob
    SS->>CU: StartGetJob
    SS->>JD: StartGetJob
    JD->>SS: StartGetJob
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: GetJobData
    CU->>SS: GetJobData
    SS->>CU: GetJobData
    SS->>JD: GetJobData
    JD->>SS: GetJobData
    SS->>CU: Data
    CU->>SS: Data

    Note over CU: NotifyPagesPrinted
    CU->>SS: NotifyPagesPrinted
    SS->>CU: NotifyPagesPrinted
    SS->>JD: NotifyPagesPrinted
    JD->>SS: NotifyPagesPrinted
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: StopAccounting
    CU->>SS: StopAccounting
    SS->>CU: StopAccounting
    SS->>JD: StopAccounting
    JD->>SS: StopAccounting
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: DeleteJob
    CU->>SS: DeleteJob
    SS->>CU: DeleteJob
    SS->>JD: DeleteJob
    JD->>SS: DeleteJob
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: LogOff
    CU->>SS: LogOff
    SS->>CU: LogOff
    SS->>JD: LogOff
    JD->>SS: LogOff
    SS->>CU: Ok
    CU->>SS: Ok

    Note over CU: User presses "exit"
    CU->>SS: LogOff
    SS->>CU: LogOff
    SS->>JD: LogOff
    JD->>SS: LogOff
    SS->>CU: Ok
    CU->>SS: Ok
  
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* SetDeviceInfo and NotifyPrinterIRQ is called from the Control Unit on connect and when printer status changes.
See example - Connecting.

** This sequence runs one or more times.

Figure 5

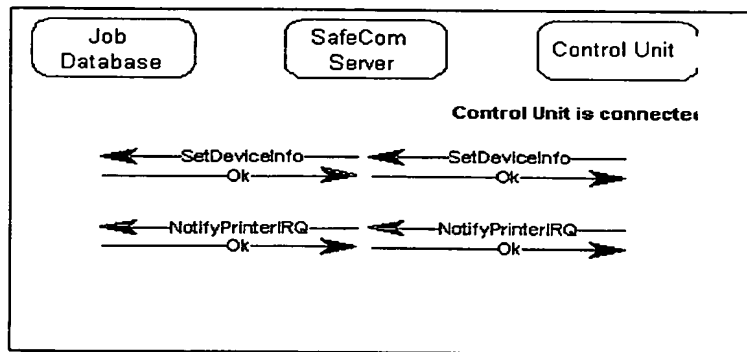


Figure 6

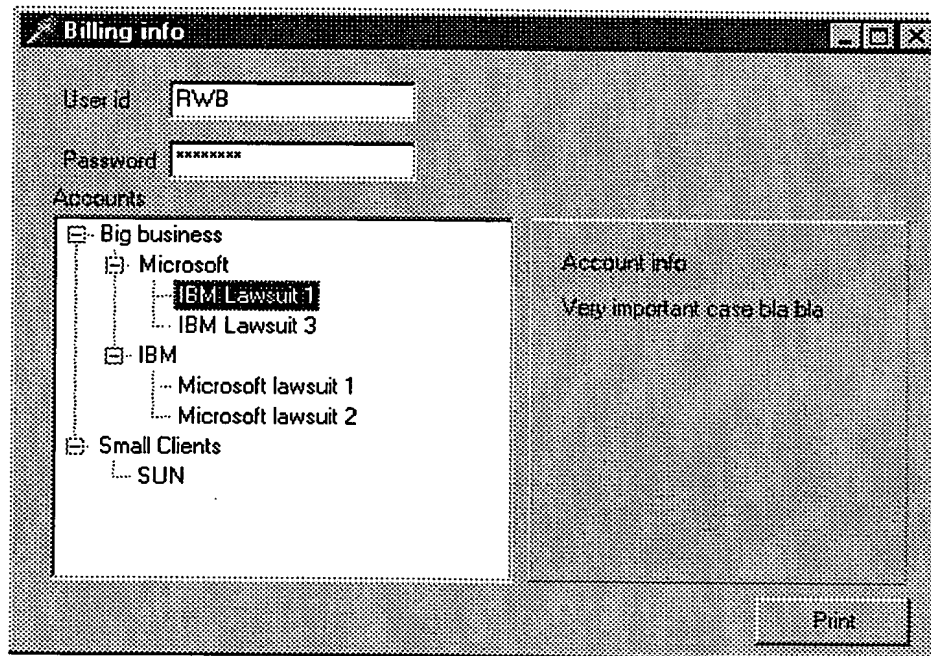


Figure 7